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<b>Exhibit P-40, Budget Line Item Justification:</b> FY 2018 Air Force										<b>Date:</b> May 2017		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft							<b>P-1 Line Item Number / Title:</b> PRDTB1 / MQ-9					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B			<b>Program Elements for Code B Items:</b> 0205219F					<b>Other Related Program Elements:</b> 0304260F, 0305206F, 0305219F				
<b>Line Item MDAP/MAIS Code:</b> 424												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	290	33	24	-	32	32	-	-	-	-	-	379
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	5,084.153	656.428	575.552	117.141	271.080	388.221	95.527	181.517	151.667	204.976	458.062	7,796.103
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	5,084.153	656.428	575.552	117.141	271.080	388.221	95.527	181.517	151.667	204.976	458.062	7,796.103
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>5,084.153</b>	<b>656.428</b>	<b>575.552</b>	<b>117.141</b>	<b>271.080</b>	<b>388.221</b>	<b>95.527</b>	<b>181.517</b>	<b>151.667</b>	<b>204.976</b>	<b>458.062</b>	<b>7,796.103</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	646.011	129.273	40.943	19.107	-	19.107	71.003	48.015	45.219	37.233	147.919	1,184.723
Flyaway Unit Cost ( <i>\$ in Millions</i> )	14.257	17.816	17.616	-	8.221	10.938	-	-	-	-	-	16.594
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	17.532	19.892	23.981	-	8.471	12.132	-	-	-	-	-	20.570
<p><b>Description:</b>  FY16 funding totals include \$42.5M appropriated for Overseas Contingency Operations.  FY17 funding totals include \$366.03M appropriated for Overseas Contingency Operations.  FY18 funding totals include \$271.08M appropriated for Overseas Contingency Operations.</p> <p>12 Aircraft from FY17 OCO buy will support Government Own Contractor Operated (GOCO) efforts.  16 Aircraft from FY18 OCO buy will support Government Own Contractor Operated (GOCO) efforts.</p> <p>MQ-9 Reaper procurement includes all components of the MQ-9 weapon system. The basic MQ-9 Reaper system consists of the aircraft, sensors, a Ground Control Station (GCS), communications equipment, weapon kits, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended. Mission-specific equipment is employed in a plug-and-play mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs. Due to the nature of the platform, all future production requirements may vary based on warfighter necessity and available funding.</p> <p>The MQ-9 Reaper aircraft is a single-engine, turbo-prop Remotely Piloted Aircraft (RPA) designed to operate over-the-horizon at medium-to-high altitude for long endurance sorties. The aircraft is being designed primarily to prosecute critical emerging Time-Sensitive-Targets (TST) as a radar, Electro-Optical/Infra-Red (EO/IR), and laser designator-based attack asset with on-board hard-kill capability (hunter-killer) while performing Intelligence, Surveillance, Reconnaissance and Target Acquisition (ISR TA). In the hunter-killer role, the aircraft will employ fused multi-spectral sensor information to find, fix, and track ground targets and assess post-strike results using Automatic Target Cuing (ATC), Target Location Accuracy (TLA), Metric Sensor and other capabilities.</p> <p>The GCS functions as the aircraft cockpit and can control the aircraft from either within Line-of-Sight (LOS) or Beyond Line-of-Sight (BLOS) via a combination of satellite relay and terrestrial communication architectures. The GCS is either mobile to support forward operating locations or fixed at a facility to support Remote Split Operations (RSO). The GCS has the capability to perform mission planning functions; provides a means for manual and/or autonomous command and control; allows personnel to launch, recover, and monitor aircraft, payloads, and system communications status; secure data links to receive payload sensor data and command links; monitor threats to the aircraft; display common operational picture information; and provide support functions. Additionally, a Launch and Recovery GCS (LRGCS) allows for servicing, systems checks, maintaining, launching, and recovering aircraft under LOS control for hand-off to a mobile or fixed GCS. The GCS will continue to evolve and upgrade its capabilities to keep pace with MQ-9 system capabilities, Concept of Operations (CONOPS), and the missions they perform. Near-term upgrades include new LINUX processors, high definition monitors, and ergonomic improvements. Future planned upgrades include integrating improved human-machine interfaces, open systems architecture, improved crew habitability, and multiple aircraft control. Future GCS configurations will leverage</p>												

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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft		<b>P-1 Line Item Number / Title:</b> PRDTB1 / MQ-9
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0205219F	<b>Other Related Program Elements:</b> 0304260F, 0305206F, 0305219F
<b>Line Item MDAP/MAIS Code:</b> 424		
<p>the Unmanned Aerospace System (UAS) Command and Control (C2) Initiative (UCI) government-owned open system standard to enable improved capabilities for situational awareness and multi-mission management monitoring and oversight.</p> <p>Flyaway cost subtotal includes GCS, Ground Data Terminals (GDTs), and Predator Primary Satellite Links (PPSLs) which are not procured in the same quantities as aircraft. Thus, the unit flyaway cost will fluctuate from year to year as different quantities of GCSs, GDTs, and PPSLs are procured.</p> <p>Block 50 GCS production initial buys will be used for Tactics, Techniques, and Procedures (TTP) development for the Remotely Piloted Aircraft RPA)school house and other training units. The initial production of Block 50 was delayed in order to meet a new single Operational Flight Program (OFP)requirement from ACC. Block 30 GCS Production will continue until the Block 50 GCS successfully passes DT/OT and receives a fielding decision.</p> <p>MQ-9s are procured sole-source with General Atomics-Aeronautical Systems Incorporated (GA-ASI). GA-ASI is responsible for the aircraft and Ground Control Station (GCS), The Raytheon Company for the Multi-Spectral Targeting System-B (MTS-B) EO/IR sensor, and L3 Communications for the Operator Simulator and satellite communication (SATCOM) infrastructure components.</p> <p>This program has associated Research Development Test and Evaluation AF funding in PE 0205219F MQ-9 Reaper UAV.</p> <p>Funding for this exhibit contained in PE 0205219F.</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS)and Non Recurring Engineering (NRE) issues</p> <p>MQ-9 is Code B because, although the majority of projected procurement is complete, it has not yet completed an In-Process Review (IPR) in lieu of a Full Rate Production (FRP) decision. Initial Operational Test &amp; Evaluation (IOT&amp;E) for the Block 1 aircraft system was completed in March 2009. Follow-on Operational Test &amp; Evaluation (FOT&amp;E) for the Block 5 aircraft system was completed December 2016.</p>		

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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B			<b>Program Elements for Code B Items:</b> 0205219F			<b>Other Related Program Elements:</b> 0304260F, 0305206F, 0305219F				
<b>Line Item MDAP/MAIS Code:</b> 424										
Exhibits Schedule					Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	MQ-9	P-5a, P-21	B		290 / 5,084.153	33 / 656.428	24 / 575.552	- / 117.141	32 / 271.080	32 / 388.221
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>290 / 5,084.153</b>	<b>33 / 656.428</b>	<b>24 / 575.552</b>	<b>- / 117.141</b>	<b>32 / 271.080</b>	<b>32 / 388.221</b>
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

**Justification:**

A. Aircraft Production - FY18 "Other Contingency Operations" Funding procures 16 aircraft to support 10 Government Owned, Contractor Operated Combat Lines (CL).

B. Production Support - FY18 funding included in Production Support consists of Engineering Change Orders (ECO) urgent services, and non-recurring production costs associated with diminishing manufacturing sources, reliability and maintenance (R&M), safety enhancements, and higher level initiatives directed by the Air Force.

C. Mobile Ground Control Station & Government Furnished Equipment (GFE) - Mobile Ground Control Stations, used for MQ-9 operations to support the standup, fielding, and sustainment of 60 Combat Lines (CL). This effort procures mobile Ground Control Stations (GCS). The GCS functions as the aircraft cockpit and can control the aircraft from either within line-of-sight (LOS) or beyond LOS (BLOS) via a combination of satellite relay and terrestrial communication architectures. Mobile GCS are used to support Remote Split Operations (RSO) from Continental United States locations, and launch/recovery from forward operating locations. The total quantity and configuration procured is determined by budget and mission requirements.

D. Other Government Costs (OGC) - FY18 funding for OGCs includes direct mission support and Program Management Administration (PMA). PMA includes, but not limited to, program office costs such as Management Information System (MIS) support, travel, training, security, and facility management. In addition, costs for Advisory and Assistance Services (A&AS) for program management, logistics, integration and test, and administration support services are included.

E. Training Device/Simulator - FY18 funding will procure Brief/Debrief Stations, local area network (LAN) cabinets, and other mission requirements to support aircrew training. Simulator quantities are various configurations of Instructor Operator Stations (IOS) with mission coordination capabilities to support aircrew training.

F. Diminishing Manufacturing Sources & Material Solutions (DMSMS) - As required by Diminishing Manufacturing Sources & Material Solutions (DMSMS), MQ-9 will complete Bridge or Life of Type Buys (LOTB), to protect the production lines as long as the such a procurement is more optimal than other DMSMS solutions.

G. Support Equipment - FY18 funding to procure, but not limited to, Test Equipment, Ruggedized Aircraft Maintenance Test Stations (RAMTS) and cooling carts, in support of the aircraft and GCS purchases.

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Exhibit P-5, Cost Analysis: FY 2018 Air Force													Date: May 2017								
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5							P-1 Line Item Number / Title: PRDTB1 / MQ-9						Item Number / Title [DODIC]: - / MQ-9								
ID Code (A=Service Ready, B=Not Service Ready) : B										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
Procurement Quantity <i>(Units in Each)</i>				290			33			24			-			32			32		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				5,084.153			656.428			575.552			117.141			271.080			388.221		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				5,084.153			656.428			575.552			117.141			271.080			388.221		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				5,084.153			656.428			575.552			117.141			271.080			388.221		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				646.011			129.273			40.943			19.107			-			19.107		
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				17.532			19.892			23.981			-			8.471			12.132		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements		Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total				
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)		
Flyaway - Flyaway End Item Cost																					
Recurring Cost																					
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>	11.986	290	3,475.847	13.770	33	454.409	14.106	24	338.541	-	-	-	16.241	16	259.860	16.241	16	259.860			
Production Support	-	-	215.919	-	-	18.363	-	-	2.756	-	-	2.617	-	-	3.220	-	-	5.837			
Fixed Ground Control Station and GFE	2.707	74	200.321	3.154	15	47.311	-	-	-	-	-	13.506	-	-	-	-	-	13.506			
Mobile Ground Control Station and GFE	5.104	4	20.416	3.420	13	44.460	3.420	10	34.200	-	-	-	-	-	-	-	-	-			
Dual Ground Control Station and GFE <sup>(†)</sup>	5.303	8	42.421	4.500	3	13.500	7.080	6	42.480	7.080	10	70.800	-	-	-	7.080	10	70.800			
Ground Data Terminals	0.338	135	45.693	0.441	9	3.969	-	-	-	-	-	-	-	-	-	-	-	-			
Predator Primary Satellite Link (PPSL)	1.115	120	133.782	-	-	5.904	-	-	4.796	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost	-	-	4,134.399	-	-	587.916	-	-	422.773	-	-	86.923	-	-	263.080	-	-	350.003			
Subtotal: Flyaway - Flyaway End Item Cost	-	-	4,134.399	-	-	587.916	-	-	422.773	-	-	86.923	-	-	263.080	-	-	350.003			
Support - Support End Item Cost																					
Other Government Costs (OGC)	-	-	102.802	-	-	16.536	-	-	20.836	-	-	21.418	-	-	-	-	-	21.418			
Initial Spares/Deployment Support Kits	-	-	596.372	-	-	0.000	-	-	87.000	-	-	0.000	-	-	-	-	-	0.000			
Support Equipment	-	-	181.071	-	-	22.976	-	-	20.930	-	-	8.800	-	-	8.000	-	-	16.800			
Training Device/Simulator	2.044	34	69.509	-	-	-	-	-	24.013	-	-	0.000	-	-	-	-	-	0.000			

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<b>Exhibit P-5, Cost Analysis: FY 2018 Air Force</b>															<b>Date:</b> May 2017			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 04 / 5							<b>P-1 Line Item Number / Title:</b> PRDTB1 / MQ-9							<b>Item Number / Title [DODIC]:</b> - / MQ-9				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B										<b>MDAP/MAIS Code:</b>								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Production Shutdown	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Other OCO	-	-	-	-	-	29.000	-	-	-	-	-	-	-	-	0.000	-	-	0.000
<i>Subtotal: Support - Support End Item Cost</i>	-	-	<b>949.754</b>	-	-	<b>68.512</b>	-	-	<b>152.779</b>	-	-	<b>30.218</b>	-	-	<b>8.000</b>	-	-	<b>38.218</b>
<b>Gross/Weapon System Cost</b>	<b>17.532</b>	<b>290</b>	<b>5,084.153</b>	<b>19.892</b>	<b>33</b>	<b>656.428</b>	<b>23.981</b>	<b>24</b>	<b>575.552</b>	-	-	<b>117.141</b>	<b>8.471</b>	<b>32</b>	<b>271.080</b>	<b>12.132</b>	<b>32</b>	<b>388.221</b>
<p><b>Remarks:</b>  Ground Control Station (GCS) &amp; GFE - The GCS functions as the aircraft cockpit and can control the aircraft from either within Line-of-Sight (LOS) or Beyond Line-of-Sight (BLOS) via a combination of satellite relay and terrestrial communication architectures. GCSs are used primarily to support Remote Split Operations (RSO) from Continental United States locations. Block 30 GCS procurement begins FY15 and is currently planned through FY17.</p> <p>Flyaway cost subtotal includes GCS, Ground Data Terminals (GDT), and Predator Primary Satellite Link (PPSL) which are not procured in the same quantities as aircraft. Thus, the flyaway cost will fluctuate from year to year as different quantities of GCSs, GDTs, and PPSLs are procured.</p> <p>(t) indicates the presence of a P-5a</p>																		

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<b>Exhibit P-5a, Procurement History and Planning: FY 2018 Air Force</b>								<b>Date: May 2017</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 04 / 5				<b>P-1 Line Item Number / Title:</b> PRDTB1 / MQ-9				<b>Item Number / Title [DODIC]:</b> - / MQ-9			

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2010	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2011	Nov 2011	24	10.405	Y		Dec 2009
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2011	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Dec 2011	Mar 2013	48	10.564	Y		May 2010
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2012	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2012	Feb 2014	48	9.909	Y		May 2010
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2013	GA-ASI / Poway, CA	SS / FPIF	AFLCMC Wright Patterson AFB	Oct 2013	Aug 2016	39	12.134	Y		Apr 2012
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2014	GA-ASI / Poway, CA	SS / FPIF	AFLCMC Wright Patterson AFB	May 2015	Nov 2016	23	12.430	Y		Dec 2012
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2015	GA-ASI / Poway, CA	SS / FPIF	AFLCMC Wright Patterson AFB	Aug 2016	May 2018	24	13.367	Y		Dec 2015
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Apr 2017	Mar 2019	33	13.770	Y		Jan 2016
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>		2017	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Mar 2018	Mar 2020	24	14.106	Y		Dec 2016
MQ-9 Reaper Aircraft and GFE <sup>(†)</sup>	✓	2018	GA-ASI / Poway, CA	SS / FFP	AFLCMC/WI - ISR & SOF	Mar 2019	Mar 2021	16	16.241	Y		Dec 2017
Dual Ground Control Station and GFE <sup>(†)</sup>		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jan 2018	May 2019	3	4.500	Y		Oct 2015
Dual Ground Control Station and GFE <sup>(†)</sup>		2017	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2018	Feb 2020	6	7.080	Y		Jun 2016
Dual Ground Control Station and GFE <sup>(†)</sup>		2018	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2018	Mar 2020	10	7.080	Y		May 2017

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

MQ-9 is Code B because, although the majority of projected procurement is complete, it has not yet completed an In-Process Review (IPR) in lieu of a Full Rate Production (FRP) decision. A formal FRP will not be completed due to the de facto production decision provided by continued funding beyond Low Rate Initial Production. Developmental specifications are being used for contracting.

**MQ-9 Aircraft**

Four (4) of the thirty-three (33) FY16 aircraft were purchased using OCO funding  
 Twenty-four (24) FY17 aircraft were purchased using OCO funding.  
 Sixteen (16) FY18 aircraft will be purchased using OCO funding.

**Ground Control Stations**

Sixteen (16) FY18 aircraft will be purchased using OCO funding.

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Exhibit P-21, Production Schedule: FY 2018 Air Force																												Date: May 2017							
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5														P-1 Line Item Number / Title: PRDTB1 / MQ-9										Item Number / Title [DODIC]: - / MQ-9											
Cost Elements (Units in Each)						Fiscal Year 2011														Fiscal Year 2012														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011														Calendar Year 2012														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MQ-9 Reaper Aircraft and GFE																																			
Prior Years Deliveries: 84																																			
	1	2010	AF <sup>(1)</sup>	24	0	24				A -	-	-	-	-	-	-	-	-	-	24									0						
	1	2011	AF <sup>(2)</sup>	48	0	48														A -	-	-	-	-	-	-	-	-	48						
	1	2012	AF <sup>(3)</sup>	48	0	48																				A -		48							
	1	2013	AF	39	0	39																							39						
	1	2014	AF	23	0	23																							23						
	1	2015	AF	24	0	24																							24						
	1	2016	AF	33	0	33																							33						
	2	2017	AF	24	0	24																							24						
✓	2	2018	AF	16	0	16																							16						
Dual Ground Control Station and GFE																																			
Prior Years Deliveries: 8																																			
	3	2016	AF	3	0	3																							3						
	3	2017	AF	6	0	6																							6						
	3	2018	AF	10	0	10																							10						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: FY 2018 Air Force																												Date: May 2017							
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5														P-1 Line Item Number / Title: PRDTB1 / MQ-9										Item Number / Title [DODIC]: - / MQ-9											
Cost Elements (Units in Each)						Fiscal Year 2013														Fiscal Year 2014														BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013														Calendar Year 2014														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MQ-9 Reaper Aircraft and GFE																																			
Prior Years Deliveries: 84																																			
	1	2010	AF <sup>(1)</sup>	24	24	0																						0							
	1	2011	AF <sup>(2)</sup>	48	0	48	-	-	-	-	-	48																0							
	1	2012	AF <sup>(3)</sup>	48	0	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-	-	-	5						
	1	2013	AF	39	0	39															A	-	-	-	-	-	-	-	-	-	-	-	39		
	1	2014	AF	23	0	23																						23							
	1	2015	AF	24	0	24																						24							
	1	2016	AF	33	0	33																						33							
	2	2017	AF	24	0	24																						24							
✓	2	2018	AF	16	0	16																						16							
Dual Ground Control Station and GFE																																			
Prior Years Deliveries: 8																																			
	3	2016	AF	3	0	3																						3							
	3	2017	AF	6	0	6																						6							
	3	2018	AF	10	0	10																						10							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					



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Exhibit P-21, Production Schedule: FY 2018 Air Force																												Date: May 2017							
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5														P-1 Line Item Number / Title: PRDTB1 / MQ-9										Item Number / Title [DODIC]: - / MQ-9											
Cost Elements (Units in Each)							Fiscal Year 2015														Fiscal Year 2016														BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015														Calendar Year 2016														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MQ-9 Reaper Aircraft and GFE																																			
Prior Years Deliveries: 84																																			
	1	2010	AF <sup>(1)</sup>	24	24	0																						0							
	1	2011	AF <sup>(2)</sup>	48	48	0																						0							
	1	2012	AF <sup>(3)</sup>	48	43	5	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2								0						
	1	2013	AF	39	0	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	3	25						
	1	2014	AF	23	0	23							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23						
	1	2015	AF	24	0	24																						24							
	1	2016	AF	33	0	33																						33							
	2	2017	AF	24	0	24																						24							
✓	2	2018	AF	16	0	16																						16							
Dual Ground Control Station and GFE																																			
Prior Years Deliveries: 8																																			
	3	2016	AF	3	0	3																						3							
	3	2017	AF	6	0	6																						6							
	3	2018	AF	10	0	10																						10							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: FY 2018 Air Force																				Date: May 2017													
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5										P-1 Line Item Number / Title: PRDTB1 / MQ-9										Item Number / Title [DODIC]: - / MQ-9													
Cost Elements (Units in Each)							Fiscal Year 2019										Fiscal Year 2020										BALANCE						
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019										Calendar Year 2020																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP		
MQ-9 Reaper Aircraft and GFE																																	
Prior Years Deliveries: 84																																	
	1	2010	AF <sup>(1)</sup>		24	24	0																										0
	1	2011	AF <sup>(2)</sup>		48	48	0																										0
	1	2012	AF <sup>(3)</sup>		48	48	0																										0
	1	2013	AF		39	39	0																										0
	1	2014	AF		23	23	0																										0
	1	2015	AF		24	15	9																										3
	1	2016	AF		33	0	33	-	-	-	-	-	3	3	3	3	3	3	3	3	3											0	
	2	2017	AF		24	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	1		8			
✓	2	2018	AF		16	0	16	A					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16		
Dual Ground Control Station and GFE																																	
Prior Years Deliveries: 8																																	
	3	2016	AF		3	0	3	-	-	-	-	-	-	-	1	1	1																0
	3	2017	AF		6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	1		0			
	3	2018	AF		10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	2			
								OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

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Exhibit P-21, Production Schedule: FY 2018 Air Force																		Date: May 2017																			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5										P-1 Line Item Number / Title: PRDTB1 / MQ-9																		Item Number / Title [DODIC]: - / MQ-9									
Cost Elements (Units in Each)							Fiscal Year 2021														Fiscal Year 2022														BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT				Calendar Year 2021											Calendar Year 2022																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
MQ-9 Reaper Aircraft and GFE																																					
Prior Years Deliveries: 84																																					
	1	2010	AF <sup>(1)</sup>	24	24	0																									0						
	1	2011	AF <sup>(2)</sup>	48	48	0																									0						
	1	2012	AF <sup>(3)</sup>	48	48	0																									0						
	1	2013	AF	39	39	0																									0						
	1	2014	AF	23	23	0																									0						
	1	2015	AF	24	24	0																									0						
	1	2016	AF	33	33	0																									0						
	2	2017	AF	24	16	8																									0						
✓	2	2018	AF	16	0	16	-	-	-	-	-	2	3	3	3	2	2	1														0					
Dual Ground Control Station and GFE																																					
Prior Years Deliveries: 8																																					
	3	2016	AF	3	3	0																									0						
	3	2017	AF	6	6	0																									0						
	3	2018	AF	10	8	2																									2						
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							

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Exhibit P-21, Production Schedule: FY 2018 Air Force									Date: May 2017				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5					P-1 Line Item Number / Title: PRDTB1 / MQ-9					Item Number / Title [DODIC]: - / MQ-9			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2018	1-8-5 For 2018	MAX For 2018	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	GA-ASI - Poway, CA				0	0	0	0	0	0	0	0	0
2	GA-ASI - Poway,CA	16	24	48	0	18	24	42	0	0	0	0	0
3	GA-ASI - Poway, CA	10	18	36	0	12	18	30	0	0	0	0	0
<p><b>Remarks:</b></p> <p>MQ-9 Reaper Aircraft: This effort will procure Block 5 MQ-9 Reaper aircraft and associated MTS-B Electro-Optical/Infra-Red (EO/IR) sensors, Lynx Synthetic Aperture Radar (SAR) sensors, and Hellfire launchers and rails.</p> <p>The FY12 aircraft production took longer than twelve (12) months due to the Block 1 to Block 5 aircraft production line conversion, and the Accelerated Extended Range JUON production cut-in.</p> <p>Due to FOT&amp;E compliance discussions, the FY13 aircraft did not begin delivery until August 2016. This further led to a delay in negotiations for the FY15 aircraft buy, causing a four (4) month production break. This production break is captured in the FY14 funding that was utilized in the FY15 aircraft buy. FY14 funding was utilized on the FY15 aircraft buy to accelerate the FY18 requirement.</p> <p>"A" in the Delivery Schedule indicates the Contract Award Date.</p> <p><b>Note:</b> Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).</p> <p><b>Footnotes:</b></p> <p>(1) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2015 loaded in the month of first delivery.</p> <p>(2) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2015 loaded in the month of first delivery.</p> <p>(3) Prior Year contracts with undelivered assets have all deliveries occurring before Oct 2015 loaded in the month of first delivery.</p>													